

# KL3105X1-BA1 I.S. Thermocouple / mV CHARM

# KL3105X1-LS1 LS I.S. Thermocouple / mV CHARM

## Hazardous Atmosphere



II 3(1) G Ex ec [ia Ga] IIC Gc  
II 3G (1D) Ex ec [ia IIIC Da] IIC Gc  
FM11ATEX 0030U  
IECEX FMG 11.0014U  
FM21UKEX0156U



CL1, DIV 2, GP A-D  
Associated CL I, II, III, DIV 1, GP A-G  
CL I, ZN 2 AEx ec [ia Ga] IIC Gc  
CL I, ZN 2 AEx ec [ia IIIC Da] IIC Gc  
FM20US0096U; FM20CA0044U

## Power Specifications

CHARM Bus power rating	+6.3 VDC at 0 mA
Field circuit power rating	+24 VDC at 23 mA

## Environmental Specifications

Ambient Temperature	-40°C to +70°C
Shock	10g ½ Sinewave for 11msec
Vibration	1mm Peak to Peak from 2 to 13.2Hz; 0.7g from 13.2 to 150Hz
Airborne Contaminants	ISA-S71.04 –1985 Airborne Contaminants Class G3
Relative Humidity	5 to 95% Non-Condensing
Terminal block key position	C5

**Note:** Refer to the product label for serial number and location and date of manufacture.

**Warning:** This product has specific instructions for installation, removal and operation in hazardous areas. Refer to documents:

ATEX/IECEX Installation Instructions IS-CHARM Subsystem 12P6523.

Control Drawing DeltaV™ IS-CHARMs Subsystem 12P6122.

Control Drawing DeltaV™ IS-CHARMs 12P6123.

*Other installation instructions are available in the DeltaV™ S-series and CHARMs Hardware Installation manual.*

## Removal and Insertion

This unit cannot be removed or inserted with system power energized.

## Maintenance and Adjustment

This unit contains no user serviceable parts and should not be disassembled for any reason. Calibration is not required.

## Other Safety Approvals

